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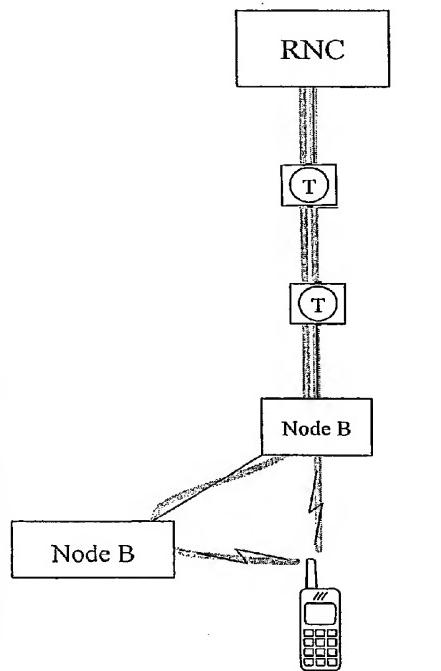
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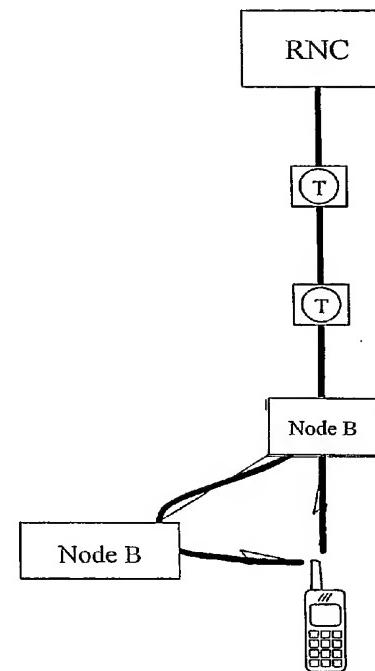
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(54) Title: ARRANGEMENTS AND METHOD FOR HANDLING MACRO DIVERSITY IN A UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM

Macro diversity in the RNC only



Macro diversity in the Node Bs



(57) Abstract: The present invention relates to methods and arrangements for selecting one or more Diversity Handover (DHO) nodes, such as a Node B or a Radio Network Controller (RNC) executing a macro diversity functionality, in a mobile telecommunication system wherein the macro diversity functionality is distributed to one or a plurality of DHO nodes such as a RNC and its connected Node B(s) in said network. The method comprises the steps of: a.-obtaining topology information comprising a hop-by-hop route from the RNC to each of its connected Node Bs and at least one metric for each hop in the route, and b.-using an algorithm for selecting one or more DHO node(s), whereby the algorithm comprises the steps of: -forming a macro diversity tree of the routes by means of the obtained topology information, and -selecting the Node B(s) and/or the RNC and/or other DHO enabled node(s), resulting in the best accumulated metric for all potential data flows between the RNC and its connected Node B(s) in the macro diversity tree of routes, as the DHO node(s).



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